

AMENDMENTS TO THE SPECIFICATION:

Please replace the paragraph beginning at page 1, line 6, with the following:

The present invention relates to a method for measuring systems ~~according to the preamble of the appended claim 1.~~ The invention is especially intended for use with intensity-based fibre-optical measuring systems for pressure measurements. The invention also relates to a device for carrying out such a method, ~~according to the preamble of the appended claim 5.~~

Please replace the paragraph beginning at page 2, line 20, with the following:

A primary object of the present invention is to compensate, by means of a method and a device, for interference in intensity-based fibre-optical sensor systems, caused by intentional or unintentional bending of the optical fibre. This is achieved by means of a method and a device in accordance with the present invention, ~~the characteristics of which are defined in the accompanying claims 1 and 5, respectively.~~